Office of the Executive Engineer
Electrical Division, Dasarahalli Zone
Bruhath Bengaluru Mahanagara Palike

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"DTS for Kind Approval"

Name of the Work:-Replacement of Burntout UG Cable,Panels boards and its accessories coming under Dasarahalli Zone Parks Ward 16,17,18,19,20,21

Sl. No.	Approved Qty	Description of Work	Unit	Approved Rates	
				Rate Ps.	Rates in words
1	26	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Streetlight 25 Watts	No	2000.00	Rupees two thousand only
2	26	Fabricating, supplying and erection of ... mts long hot dip Galvanized Octagonal hot dip Pole with BSEN 10025 grade S355 JO steel plate for shaft, IS 2062 for base plate with dooropening arrangements, including suitable boards, Bakelitesheet and MCBs as per IS specifications suitable to withstandthe wind speed of 47 m/s for ....m Pole in single section andsingle joint welded as per IS 9595/IS10178AWS havingdimensions bottom ..... mm , top.... mm with 3 mm thick,suitable base plate and 4Nos of ..... long J bolts along withtemplate and the Pole shall be hot dip galvanized in singledipping with hot less than 65micron as per ASTM-A123 and 153etc., (excluding foundation) as per drawing appended.3 m - Top 70 mm and Bottom 130 mm dia	Each	5671.00	Rupees Five thousand Six Hundred Seventy one Only.
3	25	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc., complete Single Arm Bracket with 1000 mm Standard 40/50 mm dia	Each	1544.00	Rupees One thousand Five Hundred Forty four Only.

ಕರಡು ಟೆಂಡರ್ / ಪ್ರೊಪೋಸಲನ್ನು ತಿದ್ದುಪಡಿ ಮಾಡಿದಂತೆ ತಿದ್ದುಪಡಿ ಇಲ್ಲದೆ ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ.
ತಿದ್ದುಪಡಿಗಳ ಸಂಖ್ಯೆ:

ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು (ವಿದ್ಯುತ್)
ದಾ. ಹಳ್ಳಿ / ದಕ್ಷಿಣ / ರಾ.ರಾ. ನಗರ / ಬೊ. ಹಳ್ಳಿ ವಲಯ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

No of correction with

4	6	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100 V to 270V, 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency> 130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark / name shall be Engraved / Embossing on the die cast housing / Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/Lumileds/Osram make LED Source.LED Floodlight 240W	Each	19996.00	Rupees Ninteen thousand Nine Hundred Ninety Six Only.
5	6	Fixing halogen/metal halide/SVL/IL/LED floodlight fitting over existing pole / wall ceiling including clA, bolts, nuts and wiring using suitable capacity wires.	Each	189.00	Rupees One hundred Eighty Nine Only.
6	11.65	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work (V-I.No 1.4.1,Page No-5 PWD SR 2021-22) Depth upto 3 m,	Cum	73.00	Rupees Seventy Three Only.
7	0.3424	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22)	Cum	6327.20	Rupees Six Thousand Three Hundred Twenty seven Only.
8	359.49	Supplying, fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.(V-III, I.No 13.1 Page No 99, PWD SR 2021-22)	**Kgs**	86.53	Rupees Eightysix and Fifty Three Paise Only.

No Correction Needed

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	4.90	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2 of PWD SR 2021-22)	Cum	8862.48	Rupees Eight Thousand Eight Hundred Sixty two and Forty Eight Paise only.
10	10.00	7. Crane hiring charges for substation works 1. Up to 5 hours	Hours	1500.00	Rupees One Thousand Five Hundred Only
11	130	Earth work excavation for cable trench of 0.4 to 0.5 Mtr. Width and Depthupto 1 Mtr including trial pits, depositing on bank upto a lead of 50 Mtr,Supplying and Displaying necessary Danger Boards and Lighting, Using sightRails and Sign Boards at every 100 Mtr wherever necessary as directed.	CMT	260.00	Rupees Two Hundred Sixty Only.
12	0.80	COST DATA SHEET - 19For Laying of 1 KM Length of 11 kV, 3x95 Sqmm XLPE UG Cable Using Conventional Laying with Excavation of Soil b) Laying of cable in trench	KM	45284.00	Rupees Forty Five Thousand wo Hundred Eighty Four Only.
13	276	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system ofwiring with specified IS-694:confirming to latest amendments. 1.5 mm2	Mtr	26.00	Rupees Twenty Six Onlly
14	20	7 6 mm2	Mtr	87.00	Rupees Eighty Seven Only.
15	140000	abricating supplying and mounting MS box made out ...SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finishedwith approved colour etc., complete.16 SWG	cm 2	0.38	Thirty Eight Paise Only
16	15	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron., and M.S. Flat.....with bolts, washers etc., andpainted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm	Mtr	275.00	Rupees Two Hundred Seventy Five Only.
17	40000	Supplying and fixing hylum plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on existing wood or metal box using N. F. screws	cm 2	0.26	Twenty Six paise Only

No Corrections needed

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18	4	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Circuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. 100 A 25 kA	Each	8265.00	Ruppees Eight Thousand Two Hundred Sixty Five Only.
19	5	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring asrequired confirming to IEC 60898.50-63 A TPN	Each	2399.00	Rupees Two thousand Three Hundred Ninty Nine Only.
20	4	Supplying and fixing Microprocessor Based Astronomical timerSwitch with using necessary bolts, nuts and washers.	Each	4352.00	Rupees Four Thousand Three Hundred Fifty Two Only.
21	4	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 100 to 125 A	Each	9001.00	Rupees Nine Thousand and One Only.
22	0.75	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 16 Sqmm, 4 Core. (11 GI Strips - 4 x 0.8 mm)	KM	183442.00	Rupees One Lakh Eighty Three Thousand Four Hundred and Forty Two Only.
23	0.150	25 Sqmm, 4 Core. (13 GI Strips - 4 x 0.8 mm)	KM	240813.00	Two lakh Forty Thousand Eight Hundred Thirteen only.

No & correction n/w

EXECUTIVE ENGINEER (ELEC)
DASARAHALLI DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

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